

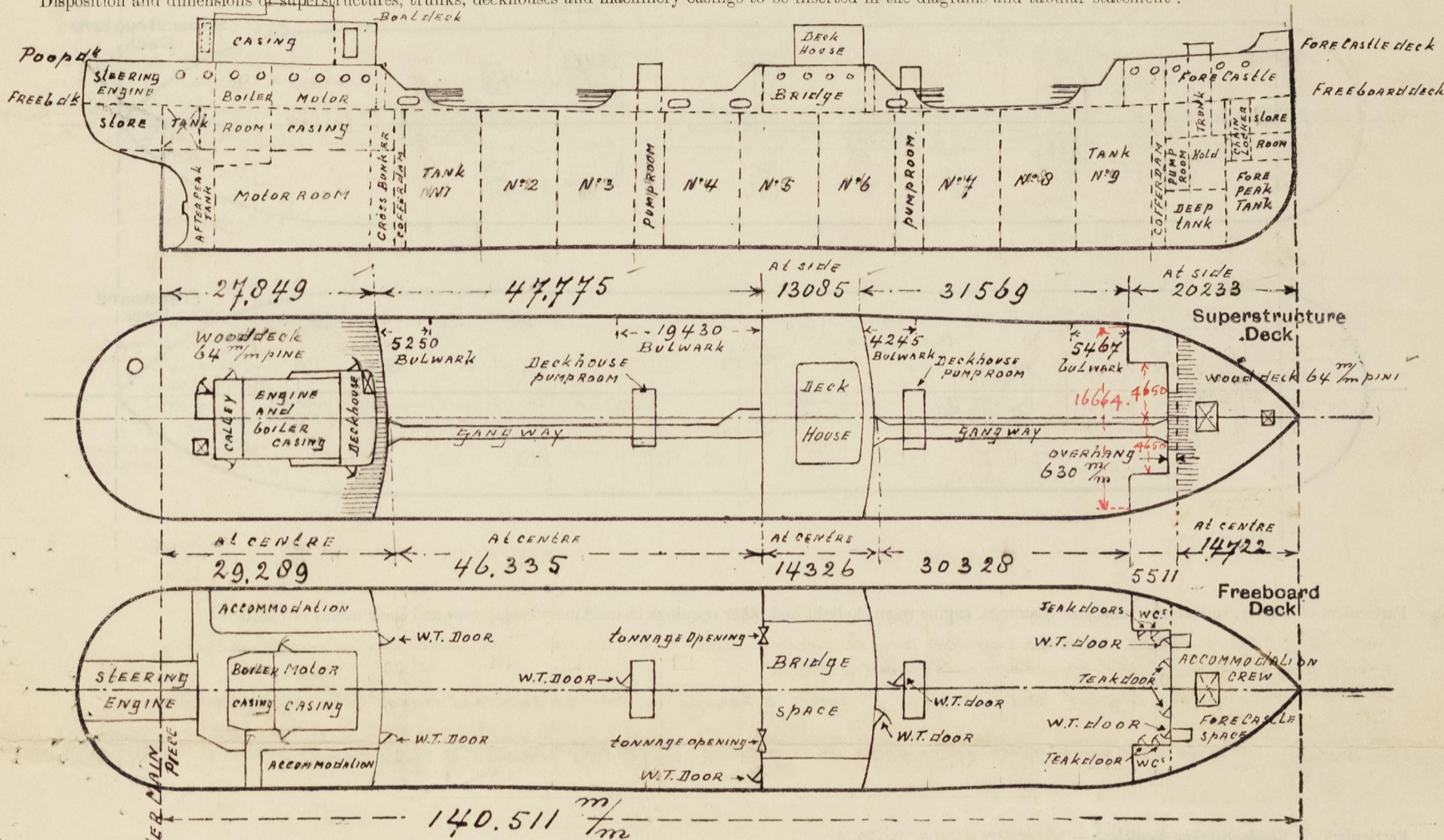
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

N 15207

APR -4 1938

Ship's Name *M. V. "MALEA" CARELIA* Port of Survey *Amsterdam*
Official Number _____ Surveyor's Signature *H. P. Jonker*
Nationality and Port of Registry *Dutch, s' GRAVENHAGE* Date of Survey *Whilst Building 14-38*

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement: -



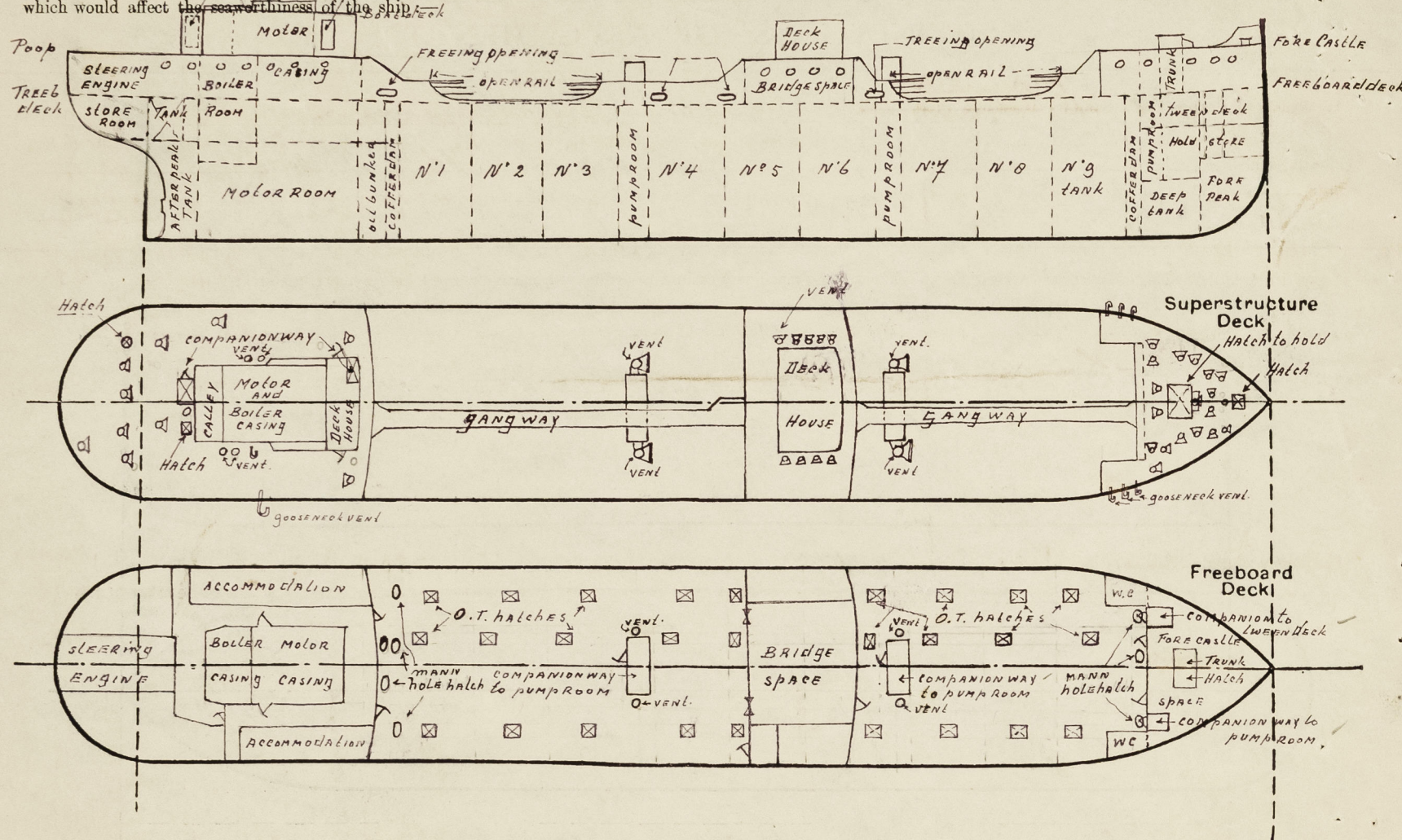
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming m/m	Plating m/m	Stiffeners m/m	Spacing m/m	End Attachments of Stiffeners	Size of Openings m/m	Height of Sills m/m	Height of Casings m/m
Poop Bulkhead	160x160x14	11	at centre 140x45x12 at side 150x90x10	700 and 460	brackets top & bottom	1300x460	610	2286
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead	160x160x14	11	at side 100x65x8 1/2 and at centre long bulkhead	800 to 440	none	1300x610 2 of 1300x950	500 610	2286
Bridge, Forward Bulkhead	160x160x14	11	at side 100x65x8 1/2 at centre and long bulkhead	800 to 440	brackets top & bottom	1520x460 1420x420	500 600	2286
Forecastle Bulkhead	610x9	4 1/2	100x65x8 1/2	450 to 600	none	1400x690	600	2286
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks	4 1/2	4 1/2	100x65x8	460	brackets on top	none	till coal deck 2440 above " " 570	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	two steel hinged watertight doors, closed and operated from both side
Raised Quarter Deck Bulkhead	on SB side one steel hinged watertight door closed and operated from both side
Bridge, After Bulkhead	two steel portable plates 9 m fastened with hook bolts 1" diam spaced 350 m apart
Bridge, Forward Bulkhead	One steel hinged watertight door closed and operated from both sides
Forecastle Bulkhead	Two steel hinged Watertight doors and 6 strong teak doors closed and operated from both side.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	no openings
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship.



Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddle openings on casing top angle coamings 100x65x8 mm provided with strong steel hinged covers permanently attached.
 Rotomom skylight all steel flaps strongly constructed and closing appliances fitted as required.
 Fiddle, funnel and ventilators in good and efficient condition.

Particulars of Hatch, Bunker Scuttles:— COMPANIONWAYS

On Tree Board deck: One steel companion way on S.B. & P.S. to forward tween decks built in fore castle bulkhead steel hinged W.T. doors 1400x720 mm sill 600 mm operated from both sides.
 On Tree Board deck: in forward and afterwell one steel companion way to pump room 4380x2550x2300 mm high Atalag 8 mm stiffeners 100x65x8 mm spaced 530 to 410 mm brackets top and bottom steel hinged W.T. doors 1520x760 mm sill 450 mm closed and operated from both sides.
 Particulars of Companionways:— On fore castle deck: steel hatchway 440x750 mm coaming 230x90x10 mm steel hinged W.T. cover 12 mm plate to store room above fore peak tank.
 On Poop deck steel companion ways one built to after bulkhead deck house, steel hinged W.T. door 1400x610 mm sill 480 mm and one built in side bulkhead deck house, steel hinged W.T. doors 1590x670 mm sill 480 mm doors closed and operated from both sides all to accommodation in poop space.
 One hatch 400x400 mm L angle coaming 200x45x9 steel hinged W.T. cover 12 mm plate and one hatch 400 mm diam L coaming 150x45x9 mm W.T. steel hinged cover 10 mm plate both to store room in Poop space.
 Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—
 On fore castle deck one vent: to space above fore peak tank 915x300 mm diam x 10 mm to fore castle space, 11 vent: 915x200 mm diam x 8 mm, one 915x250 mm diam x 8 1/2 mm, to tween decks and pump room, 5 vent: 915x250 mm diam x 8 1/2 mm, to W.C. & wash places in fore castle space, 6 goose neck vent: 900x125 mm (cast iron).
 On Poop deck: 6 vent: 460x300 mm diam x 10 mm, 3 vent: 460x200 mm diam x 8 1/2 mm, 1 vent: 460x150 mm diam x 8 1/2 mm, 1 goose neck vent: 460x125 mm diam x 12 mm (cast iron) all to poop space and 3 vent: 250 mm diam x 10 mm and 1 vent: 200 mm diam x 8 1/2 mm extending 460 mm above Boat deck.
 On Bridge deck: 9 vent: 460x150 mm diam x 8 mm to bridge space.
 On Freeboard deck: to pump room in forward and afterwell two ventilator coamings 5000x610 mm diam x 10 mm bracketed to steel deck house on pump room.

All ventilators constructed in accordance with the Rules and are provided with steel covers screwed down or wood plugs and canvas covers for closing the openings.
 All goose neck ventilators are provided with canvas covers for closing the openings.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— On fore castle deck: one air pipe 460x45 mm diam to fore peak tank, 4 air pipes 460x90 mm diam, to fresh water tank in fore tween deck 1 air pipe 460x45 mm diam.
 On Tree Board deck: to forward cofferdam one air pipe 3200 mm x 125 mm diam bracketed to fore castle bulkhead to after cofferdam one air pipe 3200 mm x 125 mm diam, to oil fuel bunker two air pipes 3200 mm x 100 mm diam bracketed to Poop front bulkhead.
 On Poop deck: to double bottom tanks 6 air pipes 460x45 mm diam, 3 air pipes 460x50 mm diam to afterpeak tank and fresh water tanks built in tween deck 3 air pipes 460x45 mm diam.

All air pipes are fitted with gauze, and canvas covers or steel hinged flaps are provided for closing the openings.
 All cargo and wing tanks have a corn barrel gas escape pipe 100 mm diam extending 15 feet above deck bracketed to the fore and after mast.

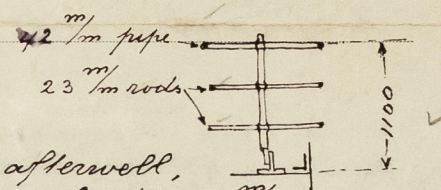
Particulars of Gangway Cargo and Coaling Ports:—

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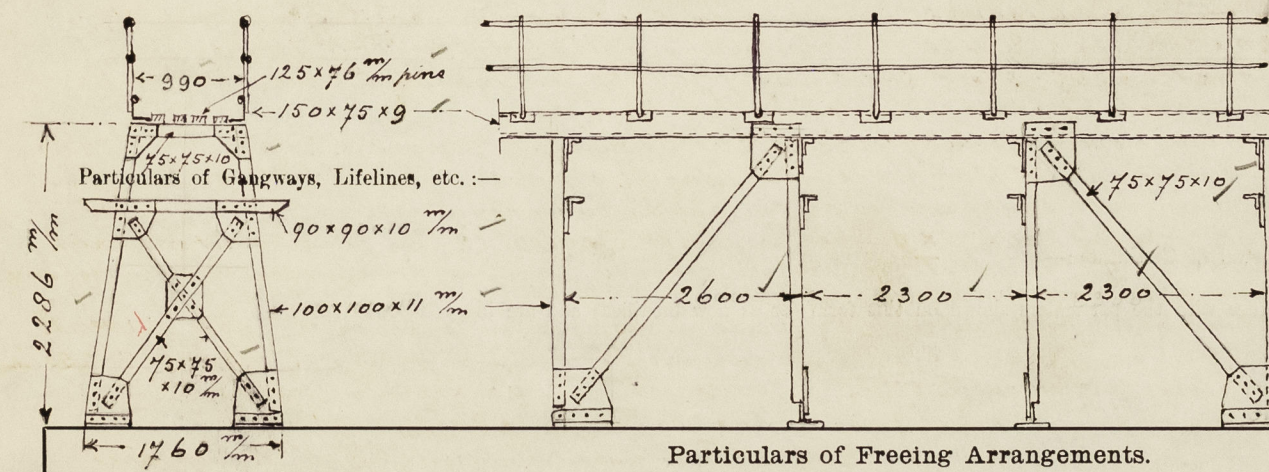
Particulars of Scuppers and Sanitary Discharge Pipes:— Afterwell 6 scuppers, Forward well 4 scuppers cut through stringer angle.
 On Tree Board deck: W.C. and wash places in deck houses built to fore castle discharge through ship side below freeboard deck, storm valve fitted in steel castings to shell. Scupper pipes fore castle space discharging through ship side below freeboard deck storm valve fitted in steel casting to shell and are also provided with a valve chest operated from tween deck.
 Bridge deck: Scupper pipes and wash places built in deck houses on bridge deck, discharging through ship side just above freeboard deck storm valve fitted only in discharge pipes of W.C.
 Poop space: Scupper pipes, W.C. and wash places built in Poop space discharging through ship side below freeboard deck, storm valve fitted in steel castings to shell and are also provided with a valve chest operated from tween deck.
 Scupper pipes and sanitary pipes from spaces in deck houses built on Poop deck discharging through ship side about 2500 mm below freeboard deck no storm valve fitted.

Particulars of Side Scuttles:— Side Scuttles to accommodation in fore castle and Poop space and in Bridge space are all of substantial construction and fitted with permanently attached hinged dead lights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 11,890 mm



Particulars of Guard Rails:— Open rail on Freeboard deck in forward well and afterwell, Fore Castle, Bridge and Poop deck 1100 mm high stanchions spaced about 1300 mm apart.



Gang way extending from Poop deck over pump room house to Bridge deck and from Bridge deck over pump room house to Fore Castle deck, constructed as per sketch supports spaced 2600 to 2300 mm apart, cross ties fitted in each support and longitudinal ties fitted between alternate supports on both sides. All as approved.

Particulars of Freeing Arrangements.						
Length at side	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well 444.45 m	24680 m	1100 m	23.095 m	open rail		
			950 x 500 mm	one	37 alt 2	50% Open rail
Forward Well 315.69 m	9412 m	1100 m	21.854 m	open rail		
			950 x 500 mm	three	111 alt 2	50% Open rail

State position of each freeing port ... After Well:— } 330 mm above deck edge
 (F. and A. position and height above deck edge) Forward Well:— }

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— Three vertical rods 23 mm diam

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
		← On Fore Castle Deck		← On Freeboard Deck					
Description of Hatchway		On Fore Castle Deck To forward hold		On Freeboard Deck Over light hatches Centre tanks Wing tanks		Rann hole hatches Coffer dams, Cross bunker			
Dimensions of Hatchway		2450 x 3050 mm		1220 x 915 mm		610 x 450 mm			
COAMINGS	Height above Deck	690 above		800 800 mm		260 260 mm			
	Thickness	10 wood		10 10 mm					
	Sides	10 deck		10 10 mm					
	Ends	none		none					
HATCH BEAMS	Stiffeners	none				260 x 90 x 10 x 14 mm			
	Brackets, Stays								
	Number	hatchway trunked		Forward well		on forward		on Cross bunker	
	Spacing	in between		4 8		cofferdam		2	
FORE AND AFTERS	Scantling and Sketch	Fore Castle deck and Freeboard deck		hatches hatches After well		hatches on after cofferdam		hatches	
	Bearing Surface			5 10		3 hatches			
	Number	Small escape							
	Spacing	hatch made							
HATCH COVERS	Unsupported Lengths	in steel hatch cover							
	Scantling* and Sketch	610 x 610 mm							
	Bearing Surface	coaming 150 x 45 x 9 mm steel hinged W.T. cover 12 1/2 mm plate							
	Material	Steel W.T. cover 12 1/2 mm		Steel hinged O.T. Covers		Steel W.T		Steel W.T.	
HATCH COVERS	Thickness	plate efficiently stiffened		12 1/2 mm plate		covers		covers	
	How fitted	with 4 L 150 x 45 x 9 mm		efficiently constructed		12 1/2 mm plate		12 1/2 mm plate	
	Bearing Surface								
	Spacing of Cleats	Screw down toggles		Screw down toggles		bolted covers		bolted covers	
HATCH COVERS	Number of Tarpaulins	Bolts 29 mm diam spaced 380 mm apart		Bolts 29 mm diam spaced 350 mm		Bolts 19 mm diam spaced 80 mm apart		Bolts 19 mm diam spaced 80 mm apart	

Particulars of any special features :—

The vessel has been built in accordance with the approved plans. ✓

Endorsement at first survey and at surveys for renewal of Certificate :—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.